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Dated: October 3, 2005

Signature:

(Debra A. Milasino)

Docket No.: BGI-154US2  
(PATENT)

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of:  
R. Rogers Yocum *et al.*

Application No.: 10/520220

Confirmation No.: 2729

Filed: January 3, 2005

Art Unit: N/A

For: MICROORGANISMS AND PROCESSES  
FOR ENHANCED PRODUCTION OF  
PANTOTHENATE

Examiner: Not Yet Assigned

**INFORMATION DISCLOSURE STATEMENT (IDS)**

MS Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

In accordance with 37 CFR 1.97, Applicant(s) hereby make of record the following additional documents. A PTO Form SB/08 and a full copy of each of the documents required under 37 CFR 1.98(a)(2) accompany this statement.

Applicant(s) have become aware of the following documents, cited in an International Search Report issued July 27, 2005, during the prosecution of international application no. PCT/US03/21305, which corresponds to the above referenced application, and in accordance with 37 CFR 1.97(c) and (e)(1) or (b)(3), hereby submit(s) these documents for the Examiner's consideration. These documents are cited on the enclosed PTO Form SB/08, and a copy of the International Search Report and of each document required under 37 CFR 1.98(a)(2) cited thereon are enclosed as well.

This statement is not to be interpreted as a representation that the cited documents are material, that an exhaustive search has been conducted, or that no other relevant information exists. Nor shall the citation of any document herein be construed *per se* as a representation that

such document is prior art. Moreover, Applicant(s) understand(s) the Examiner will make an independent evaluation of the cited documents.

The undersigned hereby certifies that each item contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement.

The Director is hereby authorized to charge any deficiency in the fees filed, asserted to be filed or which should have been filed herewith (or with any paper hereafter filed in this application by this firm) to our Deposit Account No. 12-0080, under Order No. BGI-154US2. A duplicate copy of this paper is enclosed.

Applicant believes no fee is due with this statement. However, if a fee is due, please charge our Deposit Account No. 12-0080, under Order No. BGI-154US2 from which the undersigned is authorized to draw.

Dated: October 3, 2005

EAH/DJM/DLN/mch

Respectfully submitted,

By 

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Substitute for form 1449A/B/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)				<b>Complete if Known</b>	
				Application Number	10/520220-Conf. #2729
				Filing Date	January 3, 2005
				First Named Inventor	R. Rogers YOCUM
				Art Unit	N/A
				Examiner Name	Not Yet Assigned
Sheet	1	of	1	Attorney Docket Number	BGI-154US2

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number Number-Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	C1	Teller, Joel H. et al., "Ketopantoate Hydroxymethyltransferase, I. Purification and Role in Pantothenate Biosynthesis," <i>The Journal of Biological Chemistry</i> , Vol. 251(12):3780-3785 (June 1976)	
	C2	Powers, Sue et al., "Ketopantoate Hydroxymethyltransferase, II. Physical, Catalytic, and Regulatory Properties," <i>The Journal of Biological Chemistry</i> , Vol. 251(12):3786-3793 (June 1976)	
	C3	Genschel, Ulrich et al., "The final step of pantothenate biosynthesis in higher plants: cloning and characterization of pantothenate synthetase from <i>Lotus japonicus</i> and <i>Oryza sativum</i> (rice)," <i>Biochem. J.</i> , Vol. 341:669-678 (1999)	
	C4	Sahm, Hermann et al., "D-Pantothenate Synthesis in <i>Corynebacterium glutamicum</i> and Use of panBC and Genes Encoding L-Valine Synthesis for D-Pantothenate Overproduction," <i>Applied and Environmental Microbiology</i> , Vol. 65(5):1973-1979 (1999)	
	C5	Holmes, William B. et al., "Cloning and Characterization of Methenyltetrahydrofolate Synthetase from <i>Saccharomyces cerevisiae</i> ," <i>The Journal of Biological Chemistry</i> , Vol. 277(23):20205-20213 (2002)	
	C6	Song, Woo-Joo et al., "Kinetics and Regulation of Pantothenate Kinase from <i>Escherichia coli</i> ," <i>The Journal of Biological Chemistry</i> , Vol. 269(43):27051-27058 (1994)	
	C7	Dusch, Nicole et al., "Expression of the <i>Corynebacterium glutamicum</i> panD Gene Encoding L-Aspartate- $\alpha$ -Decarboxylase Leads to Pantothenate Overproduction in <i>Escherichia coli</i> ," <i>Applied and Environmental Microbiology</i> , Vol. 65(4):1530-1539 (1999)	
	C8	Ottenhof, Harald H. et al., "Organisation of the pantothenate (vitamin B <sub>5</sub> ) biosynthesis pathway in higher plants," <i>The Plant Journal</i> , Vol. 37:61-72 (2003)	

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

Examiner Signature		Date Considered	
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